
Linuxluigi.com Website Documentation

Release 0.1.0

Steffen Exler

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Contents:

1	Usage guide	3
1.1	Deployment	3
2	Advanced topics	15
2.1	URL Structure	15
3	Indices and tables	17

Documentation for the new [linuxluigi.com](#) which is not online right now. The sourcecode is hosted on [github.com/linuxluigi/linuxluigi.com](#) and the website will be later deploy on [heroku.com](#).

The new version of [linuxluigi.com](#) will be completely rewritten and completely open source. Backend is still the framework [Django](#) with [Wagtail](#) as CMS. The frontend will be [Angular 4](#). The purpose of the new version of [linuxluigi.com](#) is to create a small it knowledge base for myself and add a portfolio function.

1.1 Deployment

1.1.1 Heroku

Requirements for Heroku.com Hosting

1. An Account on [Heroku.com](https://heroku.com)
2. An Account on aws.amazon.com
3. For the Static & Media Files a S3 Bucket on aws.amazon.com

Create a new IAM User for aws

Go on [create new IAM user](#) to create a new IAM User for your S3 Bucket.

At first enter a *User name* and activate `Programmatic access` and then on `Next : Permission` button.

On the next page `Set permissions for YourNewIamUser` just click on `Next : Review without to add any group or policies`.

On Review ignore the warning `This user has no permissions` and click on `Create User`.

On the last page write down your new `Access key ID` & `Secret access key` to use it later on the deployment. And in the end click on `Close`

Now get the User ARN, for that click on your new created user.

In the Summary page you will see the user ARN, also write it down for using to setup your S3 Bucket.

Setup a S3 Bucket

To create a S3 Bucket for the media & static files go on [create new S3 Bucket](#) and click on `+ Create bucket`.

Add user



Set user details

You can add multiple users at once with the same access type and permissions. [Learn more](#)

User name*

[Add another user](#)

Select AWS access type

Select how these users will access AWS. Access keys and autogenerated passwords are provided in the last step. [Learn more](#)

- Access type* ☒ **Programmatic access**
Enables an **access key ID** and **secret access key** for the AWS API, CLI, SDK, and other development tools.
- ☐ **AWS Management Console access**
Enables a **password** that allows users to sign-in to the AWS Management Console.

* Required

[Cancel](#) [Next: Permissions](#)

The screenshot shows the AWS IAM console interface. At the top, there's a navigation bar with 'Services', 'Resource Groups', and a search icon. Below it, the 'Add user' header is followed by a progress bar with four steps: 1. Details, 2. Permissions (active), 3. Review, and 4. Complete. The main section is titled 'Set permissions for YourNewUser'. It contains three cards: 'Add user to group' (selected), 'Copy permissions from existing user', and 'Attach existing policies directly'. Below these cards, a message states: 'Add user to an existing group or create a new one. Using groups is a best-practice way to manage user's permissions by job functions. [Learn more](#)'. There are 'Create group' and 'Refresh' buttons. A search bar is present, and below it, a table shows 'Showing 2 results' with columns for 'Group' and 'Attached policies'. The table lists two groups with their respective policies. At the bottom, there's a footer with 'Feedback', 'English', and copyright information.

Add user



Review

Review your choices. After you create the user, you can view and download the autogenerated password and access key.

⚠ This user has no permissions
You haven't given this user any permissions. This means that the user has no access to any AWS service or resource. Consider returning to the previous step and adding some type of permissions.

User details

User name YourNewUser
AWS access type Programmatic access - with an access key

[Cancel](#) [Previous](#) [Create user](#)

Add user



Success

You successfully created the users shown below. You can view and download user security credentials. You can also email users instructions for signing in to the AWS Management Console. This is the last time these credentials will be available to download. However, you can create new credentials at any time.

Users with AWS Management Console access can sign-in at: <https://080644610589.signin.aws.amazon.com/console>

Download .csv

User	Access key ID	Secret access key
<div>✔ YourNewIamUser</div>	AKIAI2WATPS4BBY62LMA	BLVGzCjHw1qANDEw7QykpCCED8D5ZkH2q9SZfr Hide

Close

Search IAM

Add userDelete user

↺⚙️?

DashboardGroupsUsersRolesPoliciesIdentity providersAccount settingsCredential reportEncryption keys

Q Find users by username or access key

Showing 4 results

User name	Groups	Access key age	Password age	Last activity	MFA
<input type="checkbox"/> [redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
<input type="checkbox"/> [redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
<input type="checkbox"/> [redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
<input type="checkbox"/> YourNewIamUser	None	None	None	None	Not enabled

Search IAM

Users > YourNewIamUser

Summary

ⓘ

User ARNarn:aws:iam::080644610589:user/YourNewIamUser

Path/

Creation time2017-07-13 09:47 UTC+0200

PermissionsGroups (0)Security credentialsAccess Advisor

Get started with permissions

This user doesn't have any permissions yet. Get started by adding the user to a group, copying permissions from another user, or attaching a policy directly. [Learn more](#)

Add permissions

[Add inline policy](#)

Amazon S3

Switch to the old consoleDiscover the new consoleQuick tips

Q Search for buckets

+ Create bucketDelete bucketEmpty bucket

10 Buckets3 Regions↺

Bucket name	Region	Date created
[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]

In the following wizard enter your `Bucket` name and select your `Region` than click on `Next`.

On the next page 'Set properties' just click on `Next`.

And again on 'Set permission' just click on `Next`.

For the last time 'Review' just click on `Create Bucket`.

So after the `Bucket` is created click on your new `Bucket` in the list and on the right side click on `Permissions`.

At next click on `Bucket Policy` and write down the following policy.

Important change `BUCKET-NAME` with your `Bucket` name and `USER-ARN` with your just befor created user.

```
{
  "Version": "2008-10-17",
  "Statement": [
    {
      "Sid": "PublicReadForGetBucketObjects",
      "Effect": "Allow",
      "Principal": {
        "AWS": "*"
      },
      "Action": "s3:GetObject",
      "Resource": "arn:aws:s3:::BUCKET-NAME/*"
    },
    {
      "Effect": "Allow",
      "Principal": {
        "AWS": "USER-ARN"
      },
      "Action": "s3:*",
      "Resource": [
        "arn:aws:s3:::BUCKET-NAME",
        "arn:aws:s3:::BUCKET-NAME/*"
      ]
    }
  ]
}
```

Cors Setup

```
<CORSConfiguration>
  <CORSRule>
    <AllowedOrigin>*</AllowedOrigin>
    <AllowedMethod>GET</AllowedMethod>
    <MaxAgeSeconds>3000</MaxAgeSeconds>
    <AllowedHeader>Authorization</AllowedHeader>
  </CORSRule>
</CORSConfiguration>
```

Policy & Cors by Wagtail.io: [Wagtail.io Blog - Amazon S3](#)

Deploy to Heroku.com

For easy deployment click on the Heroku Deployment Button, there you will see a pre configured heroku app.

The App Name (optional) and Runtime Selection you can change as you like but in the Config Variables section you have to change the `SECRET_KEY` to something new (you can use [Django Secret Key](#)

Create bucket

1

Name and region

2

Set properties

3

Set permissions

4

Review

Name and region

Bucket name i

your-bucket-name

Region

EU (Ireland) v

Copy settings from an existing bucket

Select bucket (optional)

10 Buckets v

Create

Cancel

Next

Create bucket

1 Name and region

2 Set properties

3 Set permissions

4 Review

Versioning

Keep multiple versions of an object in the same bucket.

[Learn more](#)

☐ Disabled

Logging

Set up access log records that provide details about access requests.

[Learn more](#)

☐ Disabled

Tags

Use tags to track your cost against projects or other criteria.

[Learn more](#)

☐ 0 Tags

Previous

Next

Create bucket

✓ Name and region

✓ Set properties

3 Set permissions

4 Review

Manage users

User ID <small>i</small>	Objects <small>i</small>	Object permissions <small>i</small>	
<div></div>	<input checked="" type="checkbox"/> Read <input checked="" type="checkbox"/> Write	<input checked="" type="checkbox"/> Read <input checked="" type="checkbox"/> Write	×

Manage public permissions

Do not grant public read access to this bucket (Recommended) ▼

Manage system permissions

Do not grant Amazon S3 Log Delivery group write access to this bucket ▼

Previous

Next

Create bucket

✓ Name and region

✓ Set properties

✓ Set permissions

4 Review

Name and region

Edit

Bucket name

your-bucket-name333

Region

EU (Ireland)

Properties

Edit

Versioning

Disabled

Logging

Disabled

Tagging

0 Tags

Permissions

Edit

Users

1

Public permissions

Disabled

System permissions

Disabled

Previous

Create bucket

Amazon S3

Switch to

Search for buckets

Create bucketDelete bucketEmpty bucket

Bucket name	Region	Date created
your-bucket-name333	EU (ireland)	Jul 13, 2019

your-bucket-name333

Copy Bucket ARN

Properties

Events

Permissions

Management

0 Active notifications

Versioning Disabled

Logging Disabled

Static web hosting Disabled

Tags 0 Tags

Requester pays Disabled

Cross-region replication Disabled

Transfer acceleration Disabled

Owner exelstore

Bucket policy No

Access control list 1 Grantees

CORS configuration No

Lifecycle Disabled

Analytics Disabled

Inventory Disabled

Metrics Disabled

Amazon S3

Switch to

Search for buckets

Create bucketDelete bucketEmpty bucket

Bucket name	Region	Date created
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your-bucket-name333

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Access control list 1 Grantees

CORS configuration No

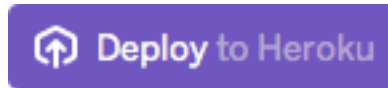
Lifecycle Disabled

Analytics Disabled

Inventory Disabled

Metrics Disabled

[Generator](#)) and `AWS_STORAGE_BUCKET_NAME`, `AWS_ACCESS_KEY_ID` & `AWS_SECRET_ACCESS_KEY` you have to insert your just created values from [Create a new IAM User for aws & Setup a S3 Bucket](#)



Update the deployed page on Heroku

1. Go to [Heroku Dashboard](#) select your new App and click there on Deploy. There stand your App name.
2. Download and install the [Heroku CLI](#).

```
$ heroku login
```

3. Clone your repository

```
$ heroku git:clone -a YourAppName
$ cd YourAppName
```

Now there will be display warning: You appear to have cloned an empty repository.. A complete solution for the problem is written on [You appear to have cloned an empty repository](#).


```
$ git remote add origin git@github.com:linuxluigi/linuxluigi.com.git
$ git pull origin master
```

4. Run development Server


```
$ virtualenv -p python3 venv
$ source venv/bin/activate
$ pip install -r requirements.txt
$ python manage.py migrate
$ python manage.py createsuperuser
$ python manage.py runserver --settings=linuxluigi_com.settings.dev
```

5. Deploy your changes


```
$ git add .
$ git commit -am "make it better"
$ git push heroku master
```



 HEROKU

Jump to Favorites, Apps, Pipelines, Spaces...




Create New App




Deploy your own
Linuxluigi.com
 linuxluigi/linuxluigi.com#master

App Name (optional)
Leave blank and we'll choose one for you.

Runtime Selection
Your app can run in your choice of region in the Common Runtime.

 United States

Add-ons

 Heroku Postgres

Hobby Dev

Free

Config Variables
Keys marked with * require a value.

* SECRET_KEY
change to something more secure :)

* DJANGO_SETTINGS_MODULE
linuxluigi_com.settings.production

* WEB_CONCURRENCY
2

* DISABLE_COLLECTSTATIC
0

* AWS_STORAGE_BUCKET_NAME
AWS S3 Bucket Name

* AWS_ACCESS_KEY_ID
AWS ACCESS KEY ID

* AWS_SECRET_ACCESS_KEY
AWS SECRET ACCESS KEY

Deploy

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2.1 URL Structure

Path	Content
/	Wagtail Pages
/api/v2/	Wagtail API V2
/admin/	Wagtail Admin Interface

CHAPTER 3

Indices and tables

- `genindex`
- `modindex`
- `search`